

Stable Isotope CF Analysis Results

File: DATA_009.raw	Acquisition Date: 23-7-2006 12:24:58
Project: controle2007.PRO	Weight: 0.00
Sample list: 1604.spl	Injection Volume: 0
Line: 1	Bottle:
MS file: Co2 stab	Type:
Inlet: GC-combustion	Standard:
Inlet file: Do Nothing	Slot Number: JB 251
Sample ID:	Run index:
Description: test de stabilite	

Reference standard					Corrections
Species: CO2 by CF (uncalibrated)					Equilibrium correction: None
Gas: CO2 Uncalibrated CO2					
Ratio type: Elemental					
Deconvolution: Craig					
Elemental delta					
Label:	Value:	Label:	Value:	wrt:	
Ratio 1: 13C	-34.5	delta 45	-32.93	PDB	
Ratio 2: 18O	-19.3	delta 46	-19.35	PDB	

Peak No	Major Height (nA)	RT (Sec)	Ratio 45/44	Ratio 46/44
1	4.65	122.7	1.1782E-02	4.2529E-03
2	4.65	182.7	1.1781E-02	4.2530E-03
3	4.64	242.7	1.1781E-02	4.2527E-03
20	4.63	2423.5	1.1780E-02	4.2524E-03
21	4.64	2483.5	1.1779E-02	4.2523E-03
22	4.69	2533.6	1.1779E-02	4.2526E-03

Mean: 1.1780E-02 4.2526E-03
Std Dev of fit (%): 0.05 0.04

Sample Data

Peak No	RT (Sec)	Major Height (nA)	Major Area	Ratio 45/44	Raw Delta	delta 13C	Ratio 46/44	Raw Delta	delta 18O	delta 18O wrt SMOW
1	789.1	0.52	2.2447E-09	1.1884E-02	8.77	-24.82	4.1716E-03	-19.06	-38.03	-8.35
2	795.5	4.66	1.9124E-08	1.1861E-02	8.89	-26.71	4.1658E-03	-20.42	-39.36	-9.71
3	814.6	0.41	1.4779E-09	1.1810E-02	2.52	-31.25	4.1691E-03	-19.65	-38.59	-8.92
4	827.6	1.71	6.4470E-09	1.1884E-02	8.77	-24.78	4.1672E-03	-20.09	-39.04	-9.38
5	867.8	6.32	2.5521E-08	1.1830E-02	4.19	-29.49	4.1645E-03	-20.72	-39.65	-10.01
6	875.5	0.95	4.5353E-09	1.1798E-02	1.46	-32.30	4.1643E-03	-20.77	-39.70	-10.06
7	898.8	0.40	1.3877E-09	1.2041E-02	22.09	-11.08	4.1744E-03	-18.39	-37.40	-7.69
8	902.9	0.88	3.9104E-09	1.1718E-02	-5.25	-39.23	4.1638E-03	-20.90	-39.80	-10.17
9	1114.4	0.61	1.2401E-09	1.1736E-02	1.53	-35.75	4.1640E-03	-20.66	-39.57	-9.93
10	1119.5	0.61	3.5949E-09	1.1758E-02	-1.68	-35.75	4.1640E-03	-20.66	-39.57	-9.93
11	1144.2	0.38	2.2889E-09	1.1919E-02	11.80	-21.65	4.1674E-03	-20.03	-38.99	-9.33
12	1243.9	0.54	3.4381E-09	1.1869E-02	7.50	-26.09	4.1673E-03	-20.06	-39.01	-9.35
13	1305.1	5.27	4.1115E-08	1.1839E-02	4.96	-28.89	4.1641E-03	-20.83	-39.76	-10.12
14	1337.6	2.33	1.6520E-08	1.1795E-02	1.29	-32.48	4.1646E-03	-20.70	-39.62	-9.99
15	1378.0	0.52	3.5830E-09	1.1850E-02	5.92	-27.89	4.1621E-03	-21.29	-40.21	-10.59
16	1651.9	3.02	3.0778E-08	1.1889E-02	7.51	-26.07	4.1652E-03	-20.57	-39.51	-9.87

COPIE CERTIFIEE
CONFORME DES DONNEES
ET FORMULAIRES ORIGINAUX

Stable Isotope CF Analysis Results

File: DATA_010.raw
Project: controle2007.PRO
Sample list: 1604.spl
Line: 1
MS file: Co2 stab
Inlet: GC-combustion
Inlet file: Do Nothing
Sample ID:
Description: test de stabilite

Acquisition Date: 23-7-2006 13:11:34
Weight: 0.00
Injection Volume: 0
Bottle:
Type:
Standard:
Slot Number: JB 251
Run Index:

Reference standard					Corrections
Species: CO2 by CF (uncalibrated)					Equilibrium correction: None
Gas: CO2 Uncalibrated CO2					
Ratio type: Elemental					
Deconvolution: Craig					
Elemental delta					
Label:	Value:	Label:	Value:	wrt:	
Ratio 1: 13C	-34.5	delta 45	-32.93	PDB	
Ratio 2: 18O	-19.3	delta 46	-19.35	PDB	

Peak No	Major Height (nA)	RT (Sec)	Ratio 45/44	Ratio 46/44
1	4.72	122.7	1.1780E-02	4.2525E-03
2	4.73	182.7	1.1779E-02	4.2528E-03
3	4.73	242.7	1.1780E-02	4.2527E-03
10	4.71	2423.6	1.1780E-02	4.2528E-03
11	4.67	2483.6	1.1779E-02	4.2528E-03
12	4.72	2533.5	1.1780E-02	4.2532E-03

Mean: 1.1780E-02 4.2528E-03
Std Dev. of fit (%): 0.01 0.05

Sample Data

Peak No	RT (Sec)	Major Height (nA)	Major Area	Ratio 45/44	Raw Delta	delta 13C	Ratio 46/44	Raw Delta	delta 18O	delta 18O w.r.t. SMOW
1	852.5	0.60	2.8614E-09	1.1778E-02	-0.34	-34.20	4.1685E-03	-19.82	-38.76	-9.09
2	866.6	3.42	1.3279E-08	1.1822E-02	3.57	-30.13	4.1857E-03	-20.49	-39.42	-9.78
3	1473.7	3.12	2.8980E-08	1.1688E-02	9.16	-24.36	4.1860E-03	-20.42	-39.37	-9.72
4	1538.4	0.32	2.5991E-09	1.1881E-02	8.58	-25.00	4.1705E-03	-19.35	-38.31	-8.64
5	1762.8	1.11	1.0322E-08	1.1877E-02	8.28	-25.28	4.1661E-03	-20.39	-39.34	-9.69
6	1826.5	3.57	3.7652E-08	1.1685E-02	8.94	-24.58	4.1660E-03	-20.65	-39.59	-9.95

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CONFORME DES DONNÉES
ET FORMULAIRES ORIGINAUX

Stable Isotope CF Analysis Results

File: DATA_011.raw
Project: controle2007.PRO
Sample list: 1604.spl
Line: 1
MS file: Co2 stab
Inlet: GC-combustion
Inlet file: Do Nothing
Sample ID:
Description: test de stabilite

Acquisition Date: 23-7-2008 13:56:22
Weight: 0.00
Injection Volume: 0
Bottle:
Type:
Standard:
Slot Number: JB 251
Run Index:

Reference standard					Corrections	
Species: CO2 by CF (uncalibrated)					Equilibrium correction: None	
Gas: CO2 Uncalibrated CO2						
Ratio type: Elemental						
Deconvolution: Craig						
Elemental delta		Molecular delta				
Label:	Value:	Label:	Value:	wrt:		
Ratio 1: 13C	-34.5	delta 45	-32.93	PDB		
Ratio 2: 18O	-19.3	delta 46	-19.35	PDB		

Peak No	Major Height (nA)	RT (Sec)	Ratio 45/44	Ratio 46/44
1	4.67	122.6	1.1780E-02	4.2527E-03
2	4.67	182.7	1.1779E-02	4.2527E-03
3	4.70	242.7	1.1779E-02	4.2525E-03
20	4.68	2423.5	1.1780E-02	4.2529E-03
21	4.66	2483.5	1.1779E-02	4.2528E-03
22	4.68	2533.6	1.1779E-02	4.2526E-03

Mean: 1.1779E-02 4.2527E-03
Std Dev of fit (%): 0.04 0.03

Sample Data

Peak No	RT (Sec)	Major Height (nA)	Major Area	Ratio 45/44	Raw Delta	delta 13C	Ratio 45/44	Raw Delta	delta 18O	delta 18O w.r.t. SMOW
1	767.1	0.51	2.1362E-09	1.1772E-02	-0.59	-34.54	4.1791E-03	-17.30	-36.28	-6.54
2	777.6	0.97	5.1540E-08	1.1786E-02	0.53	-33.27	4.1642E-03	-20.81	-39.73	-10.10
3	788.3	0.72	6.4414E-09	1.1773E-02	-0.51	-34.36	4.1669E-03	-20.18	-39.11	-9.46
4	795.2	0.60	8.5761E-09	1.1762E-02	-1.45	-35.34	4.1674E-03	-20.05	-38.98	-9.32
5	844.5	0.33	1.5849E-09	1.1848E-02	5.85	-27.80	4.1878E-03	-19.95	-38.90	-9.24
6	867.3	3.50	1.6860E-08	1.1806E-02	2.28	-31.46	4.1648E-03	-20.87	-39.60	-9.96
7	881.4	1.50	8.4821E-09	1.1764E-02	-1.33	-35.19	4.1658E-03	-20.43	-39.35	-9.71
8	1121.0	0.98	7.5055E-09	1.1842E-02	5.32	-28.35	4.1682E-03	-19.88	-38.82	-9.16
9	1233.6	7.77	7.8328E-09	1.1810E-02	16.43	-29.23	4.1673E-03	-20.08	-39.41	-9.46
10	1477.9	4.31	4.3836E-08	1.1891E-02	9.45	-24.06	4.1642E-03	-20.80	-39.74	-10.10
11	1506.2	0.40	3.8366E-09	1.1839E-02	5.07	-26.60	4.1673E-03	-20.08	-39.03	-9.37
12	1540.8	0.38	3.1958E-09	1.1899E-02	10.20	-23.28	4.1641E-03	-20.83	-39.77	-10.14
13	1729.4	0.78	6.8771E-09	1.1803E-02	2.00	-31.80	4.1706E-03	-19.30	-38.25	-8.57
14	1784.4	1.31	1.1941E-08	1.1879E-02	8.47	-25.07	4.1654E-03	-20.52	-39.46	-9.82
15	1789.1	0.38	3.6492E-09	1.1777E-02	-0.20	-34.05	4.1688E-03	-19.72	-38.66	-8.99
16	1824.1	2.33	1.8715E-08	1.1893E-02	9.65	-23.85	4.1651E-03	-20.59	-39.53	-9.89

COPIE CERTIFIEE
CONFORME AUX DONNEES
ET FORMULAIRES ORIGINAUX

Stable Isotope CF Analysis Results

File: DATA_012.raw
Project: controle2007.PRO
Sample list: 1604.spl
Line: 1
MS file: Co2 stab
Inlet: GC-combustion
Inlet file: Do Nothing
Sample ID:
Description: test de stabilité

Acquisition Date: 23-7-2006 14:41:6
Weight: 0.00
Injection Volume: 0
Bottle:
Type:
Standard:
Slot Number: JB 251
Run Index:

Reference standard					Corrections
Species: CO2 by:CF (uncalibrated)					Equilibrium correction: None
Gas: CO2 Uncalibrated CO2					
Ratio type: Elemental					
Deconvolution: Craig					
Elemental delta					
Label:	Value:	Label:	Value:	wrt:	
Ratio 1: 13C	-34.5	delta 45	-32.93	PDB	
Ratio 2: 18O	-19.3	delta 46	-19.35	PDB	

Peak No	Major Height (nA)	RT (Sec)	Ratio 45/44	Ratio 46/44
1	4.72	122.6	1.1779E-02	4.2525E-03
2	4.73	182.6	1.1779E-02	4.2528E-03
3	4.73	242.6	1.1779E-02	4.2529E-03
7	4.70	2423.5	1.1779E-02	4.2533E-03
8	4.70	2483.5	1.1776E-02	4.2533E-03
9	4.71	2533.5	1.1779E-02	4.2535E-03

Mean: 1.1779E-02 4.2531E-03
Std Dev of fit (%): 0.02 0.04

Sample Data

Peak No	RT (Sec)	Major Height (nA)	Major Area	Ratio 45/44	Raw Delta	delta 13C	Ratio 46/44	Raw Delta	delta 18O	delta 18O w.r.t. SMOW
1	867.9	2.61	1.0631E-08	1.1832E-02	4.53	-29.18	4.1706E-03	-19.39	-38.34	-8.66
2	1231.3	4.31	3.2842E-08	1.1888E-02	9.23	-24.28	4.1652E-03	-20.66	-39.60	-9.97
3	1257.1	5.08	3.6249E-08	1.1881E-02	8.64	-24.89	4.1645E-03	-20.83	-39.77	-10.14

COPIE CERTIFIÉE
CONFORME DES DONNÉES
ET FICHES ORIGINAUX

Stable Isotope CF Analysis Results

File: DATA_013.raw
Project: controle2007.PRO
Sample list: 1604.spl
Line: 1
MS file: Co2 stab
Inlet: GC-combustion
Inlet file: Do Nothing
Sample ID:
Description: test de stabilite

Acquisition Date: 23-7-2006 15:25:49
Weight: 0.00
Injection Volume: 0
Bottle:
Type:
Standard:
Slot Number: J5 251
Run Index:

Reference standard					Corrections
Species: CO2 by CF (uncalibrated)					Equilibrium correction: None
Gas: CO2 Uncalibrated CO2					
Ratio type: Elemental					
Deconvolution: Craig					
Elemental delta					
Molecular delta					
Label:	Value:	Label:	Value:	wrt:	
Ratio 1: 13C	-34.5	delta 45	-32.93	PDB	
Ratio 2: 18O	-19.3	delta 46	-19.35	PDB	

Peak No	Major Height (nA)	RT (Sec)	Ratio 45/44	Ratio 46/44
1	4.68	122.6	1.1779E-02	4.2534E-03
2	4.70	182.6	1.1779E-02	4.2535E-03
3	4.69	242.6	1.1779E-02	4.2535E-03
12	4.66	2423.5	1.1779E-02	4.2529E-03
13	4.63	2483.6	1.1778E-02	4.2525E-03
14	4.66	2533.6	1.1777E-02	4.2526E-03

Mean: 1.1779E-02 4.2531E-03
Std Dev of fit (%): 0.04 0.04

Sample Data

Peak No	RT (Sec)	Major Height (nA)	Major Area	Ratio 45/44	Raw Delta	delta 13C	Ratio 46/44	Raw Delta	delta 18O	delta18O w.r.t. SMOW
1	866.2	1.96	7.6654E-09	1.1831E-02	4.45	-29.24	4.1678E-03	-20.10	-39.05	-9.39
2	1229.7	3.79	2.7752E-08	1.1867E-02	7.54	-26.03	4.1651E-03	-20.68	-39.62	-9.98
3	1254.5	3.20	2.1431E-08	1.1851E-02	6.14	-27.48	4.1654E-03	-20.62	-39.55	-9.91
4	1288.0	3.37	2.4175E-08	1.1803E-02	2.04	-31.71	4.1656E-03	-20.56	-39.49	-9.85
5	1346.7	0.43	3.2135E-09	1.1773E-02	-0.51	-34.36	4.1870E-03	-20.24	-39.16	-9.51
6	1418.5	0.47	5.4655E-09	1.1874E-02	8.07	-25.50	4.1678E-03	-20.06	-39.01	-9.35
7	1442.3	0.40	5.2408E-09	1.1861E-02	7.02	-26.56	4.1645E-03	-20.83	-39.77	-10.13
8	1560.4	0.46	5.7271E-09	1.1850E-02	8.01	-27.64	4.1689E-03	-19.78	-38.73	-9.07

COPIE CERTIFIÉE
CONFORME DES DONNÉES
ET FORMULAIRES ORIGINAUX

Stable Isotope CF Analysis Results

File: DATA_014.raw
Project: controle2007.PRO
Sample list: 1604.spl
Line: 1
MS file: Co2 stab
Inlet: GC-combustion
Inlet file: Do Nothing
Sample ID:
Description: test de stabilite

Acquisition Date: 29-7-2006 20:39:4
Weight: 0.00
Injection Volume: 0
Bottle:
Type:
Standard:
Slot Number: JB 251
Run Index:

Reference standard					Corrections
Species: CO2 by CF (uncalibrated)					Equilibrium correction: None
Gas: CO2 Uncalibrated CO2					
Ratio type: Elemental					
Deconvolution: Craig					
Elemental delta					
Molecular delta					
Label:	Value:	Label:	Value:	wrt:	
Ratio 1: 13C	-34.5	delta 45	-32.93	PDB	
Ratio 2: 18O	-19.3	delta 48	-19.35	PDB	

Peak No	Major Height (nA)	RT (Sec)	Ratio 45/44	Ratio 46/44
1	4.73	122.7	1.1777E-02	4.2531E-03
2	4.74	182.6	1.1778E-02	4.2531E-03
3	4.75	242.6	1.1777E-02	4.2536E-03
8	4.74	2423.6	1.1776E-02	4.2527E-03
9	4.74	2483.5	1.1776E-02	4.2528E-03
10	4.74	2533.5	1.1777E-02	4.2534E-03

Mean: 1.1777E-02 4.2531E-03
Std Dev of fit (%): 0.02 0.08

Sample Data

Peak No.	RT (Sec)	Major Height (nA)	Major Area	Ratio 45/44	Raw Delta	delta 13C	Ratio 46/44	Raw Delta	delta 18O	delta18O w.r.t. SMOW
1	866.4	3.91	1.5807E-08	1.1817E-02	3.43	-30.28	4.1656E-03	-20.58	-39.51	-9.87
2	1228.5	3.95	2.7207E-08	1.1938E-02	13.65	-19.73	4.1657E-03	-20.58	-39.51	-9.87
3	1300.9	2.96	1.9556E-08	1.1782E-02	0.42	-33.39	4.1663E-03	-20.41	-39.33	-9.69
4	1471.8	2.49	2.2274E-08	1.1980E-02	17.27	-16.00	4.1675E-03	-20.13	-39.10	-9.45

COPIE CERTIFIEE
CONFORME DES DONNEES
ETIQUETTES ORIGINAUX

Stable Isotope CF Analysis Results

File: DATA_001.raw
Project: controle2007.PRO
Sample list: 1604.spl
Line: 1
MS file: Co2 stab
Inlet: GC-combustion
Inlet file: Do Nothing
Sample ID:
Description: test de stabilite

Acquisition Date: 23-7-2008 9:28:35
Weight: 0.00
Injection Volume: 0
Bottle:
Type:
Standard:
Slot Number: JB 251
Run Index:

Reference standard					Corrections
Species: CO2 by CF (uncalibrated)					Equilibrium correction: None
Gas: CO2 Uncalibrated CO2					
Ratio type: Elemental					
Deconvolution: Craig					
Elemental delta					
Label:	Value:	Label:	Value:	wrt:	
Ratio 1: 13C	-34.5	delta 45	-32.93	PDB	
Ratio 2: 18O	-19.3	delta 46	-19.35	PDB	

Peak No	Major Height (nA)	RT (Sec)	Ratio 45/44	Ratio 46/44
1	4.60	42.6	1.1783E-02	4.2462E-03
2	4.59	102.6	1.1783E-02	4.2479E-03
3	4.60	162.7	1.1782E-02	4.2478E-03
4	4.59	222.7	1.1782E-02	4.2475E-03
5	4.59	282.7	1.1781E-02	4.2478E-03
6	4.60	342.7	1.1781E-02	4.2476E-03
7	4.63	402.7	1.1780E-02	4.2462E-03
8	4.66	462.7	1.1780E-02	4.2465E-03
9	4.66	522.7	1.1760E-02	4.2467E-03
10	4.66	582.7	1.1780E-02	4.2491E-03

Mean: 1.1781E-02 4.2481E-03
Std Dev of fit (%): 0.03 0.09

Sample Data

Peak No	RT (Sec)	Major Height (nA)	Major Area	Ratio 45/44	Raw Delta	delta 13C	Ratio 46/44	Raw Delta	delta 18O	delta 18O w.r.t. SMOW
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COPIE CERTIFIÉE
CONFORME DES DONNÉES
ET FORMELLES ORIGINAUX

Stable Isotope CF Analysis Results

File: DATA_002.raw	Acquisition Date: 23-7-2006 9:39:43
Project: controle2007.PRO	Weight: 0.00
Sample list: 1604.spl	Injection Volume: 0
Line: 1	Bottle:
MS file: Co2.stab	Type:
Inlet: GC-combustion	Standard:
Inlet file: Do Nothing	Slot Number: JB 251
Sample ID:	Run Index:
Description: test de stabilite	

Reference standard	Corrections
Species: CO2 by CF (uncalibrated)	Equilibrium correction: None
Gas: CO2 Uncalibrated CO2	
Ratio type: Elemental	
Deconvolution: Craig	
Elemental delta	Molecular delta
Label: Value:	Label: Value: wrt:
Ratio 1: 13C -34.5	delta 45 -32.93 PDB
Ratio 2: 18O -19.3	delta 46 -19.35 PDB

Peak No	Major Height (nA)	RT (Sec)	Ratio 45/44	Ratio 46/44
1	4.65	42.5	1.1781E-02	4.2496E-03
2	4.65	102.5	1.1781E-02	4.2498E-03
3	4.65	162.5	1.1781E-02	4.2500E-03
4	4.65	222.5	1.1781E-02	4.2500E-03
5	4.65	282.6	1.1781E-02	4.2501E-03
6	4.63	342.6	1.1781E-02	4.2500E-03
7	4.62	402.6	1.1781E-02	4.2501E-03
8	4.61	462.6	1.1780E-02	4.2497E-03
9	4.63	522.7	1.1780E-02	4.2496E-03
10	4.62	582.8	1.1780E-02	4.2495E-03

Mean: 1.1781E-02 4.2498E-03
Std Dev of fit (%): 0.02 0.06

Sample Data

Peak No	RT (Sec)	Major Height (nA)	Major Area	Ratio 45/44	Raw Delta	delta 13C	Ratio 46/44	Raw Delta	delta 18O	delta 18O w.r.t. SMOW
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COPIE CERTIFIÉE
CONFORMÉ À L'ÉTALENN
ET/OU À L'ARRÊTÉ 2006-11-14

Stable Isotope CF Analysis Results

File: DATA_003.raw	Acquisition Date: 23-7-2006 9:50:48
Project: controle2007.PRO	Weight: 0.00
Sample list: 1604.spl	Injection Volume: 0
Line: 1	Bottle:
MS file: Cc2.stab	Type:
Inlet: GC-combustion	Standard:
Inlet file: Do Nothing	Slot Number: JB 251
Sample ID:	Run Index:
Description: test de stabilité	

Reference standard	Corrections
Species: CO2 by CF (uncalibrated)	Equilibrium correction: None
Gas: CO2 Uncalibrated CO2	
Ratio type: Elemental	
Deconvolution: Craig	
Elemental delta	Molecular delta
Label: Value:	Label: Value: wrt:
Ratio 1: 13C -34.5	delta 45 -32.93 PDB
Ratio 2: 18O -19.3	delta 46 -19.35 PDB

Peak No	Major Height (nA)	RT (Sec)	Ratio 45/44	Ratio 46/44
1	4.83	42.6	1.1780E-02	4.2499E-03
2	4.83	102.6	1.1780E-02	4.2497E-03
3	4.82	162.6	1.1780E-02	4.2495E-03
4	4.84	222.6	1.1780E-02	4.2496E-03
5	4.86	282.7	1.1780E-02	4.2496E-03
6	4.68	342.6	1.1779E-02	4.2499E-03
7	4.71	402.6	1.1779E-02	4.2501E-03
8	4.70	462.7	1.1780E-02	4.2504E-03
9	4.71	522.7	1.1780E-02	4.2507E-03
10	4.70	582.7	1.1781E-02	4.2512E-03

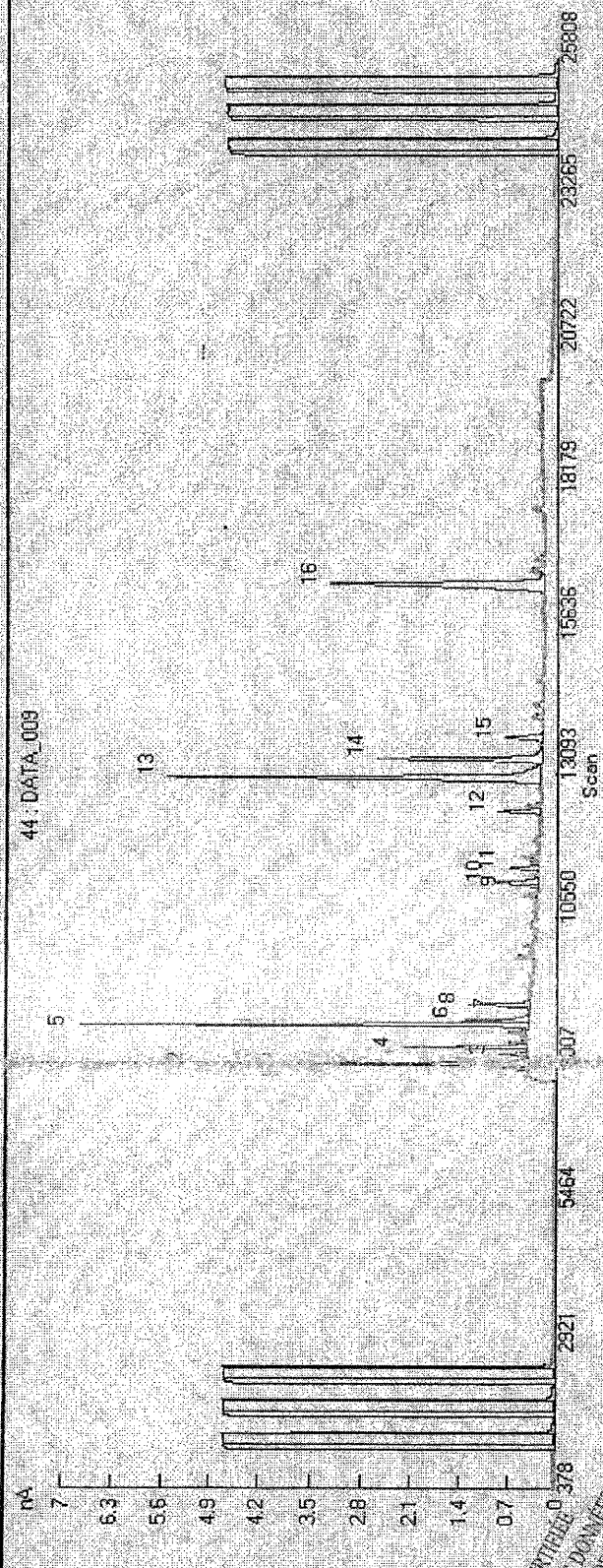
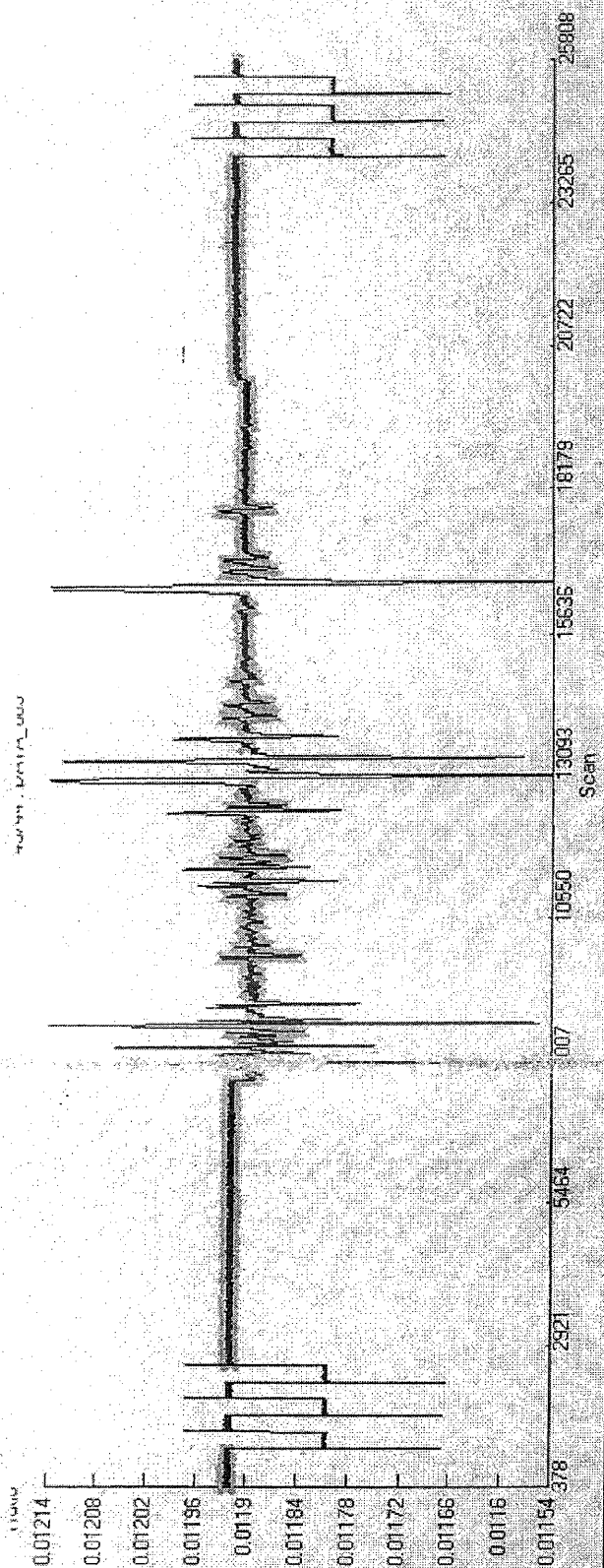
Mean: 1.1780E-02 4.2500E-03
Std Dev of fit (%): 0.04 0.08

Sample Data

Peak No	RT (Sec)	Major Height (nA)	Major Area	Ratio 45/44	Raw Delta	delta 13C	Ratio 46/44	Raw Delta	delta 18O	delta 18O w.r.t. SMOW
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